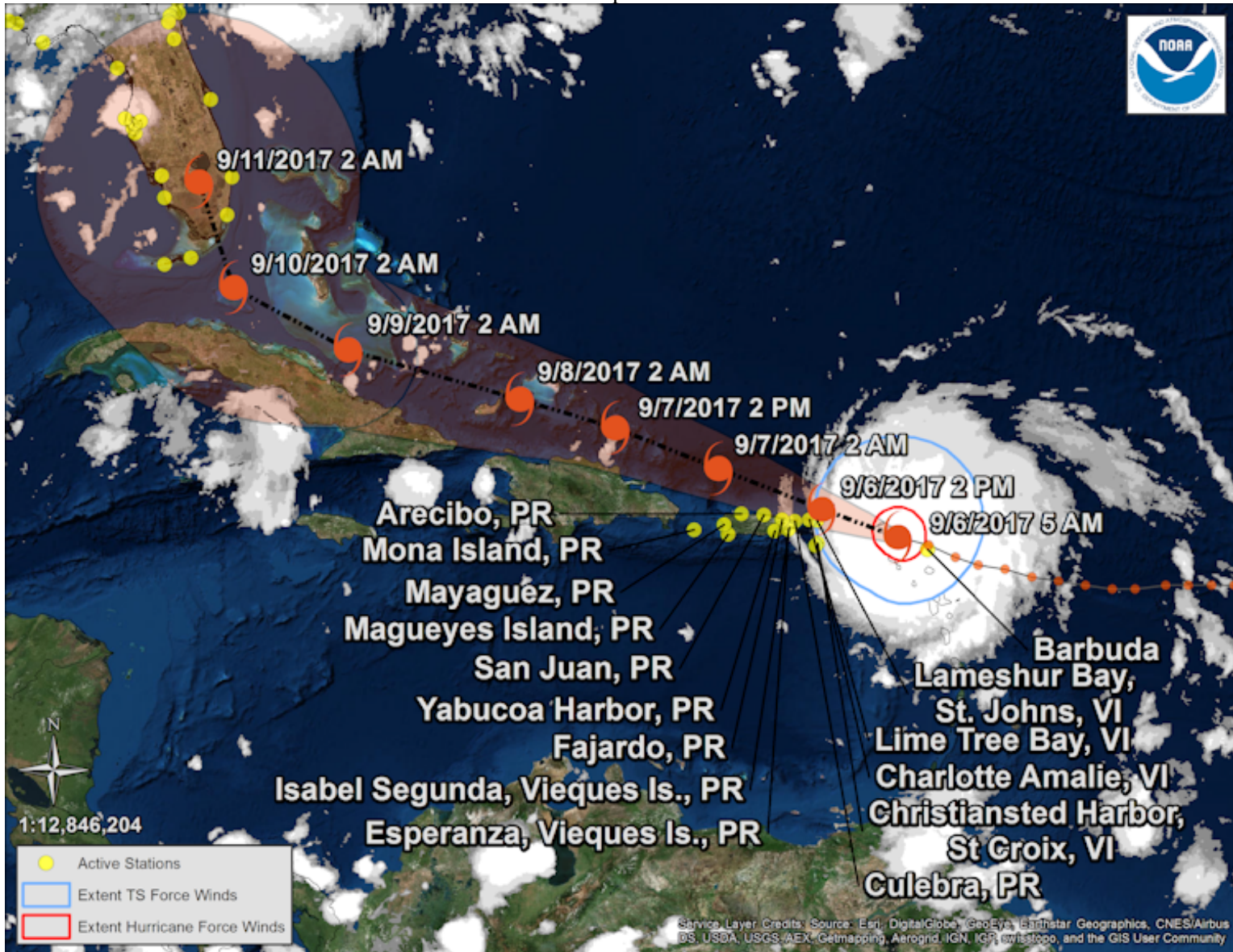


Hurricane IRMA QuickLook Posted: 06:00 AST 09/06/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/06/2017 06:00 AST, Hurricane Irma passed over the island of Barbuda over the past few hours. Water levels rose sharply and reached a peak of approximately 7.89 feet above Mean Higher High Water (MHHW) on 9/06 02:12 AST and have since been falling and are presently measuring about 1-2 feet above normal tide levels. Water levels at locations in the U.S. Virgin Islands and Puerto Rico are slowly rising and range between 0.4 and 0.7 feet above tidal predictions.

Wind speeds at Barbuda reached 102.6 kts (118 mph) with a gust of 134.7 kts (155 mph) as Irma passed over. Wind sensors have subsequently been damaged or destroyed. Elsewhere across the U.S. Virgin Islands and Puerto Rico, winds continue to slowly rise with speeds between 10 and 20 kts and slightly higher gusts. Barometric pressure continues to fall across the region. Pressure is rising at Barbuda after reaching a minimum of 916.1 mb.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

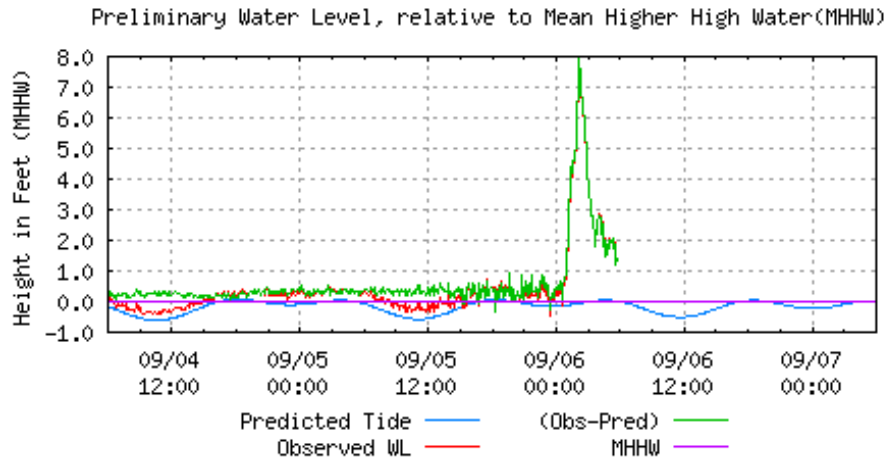
Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: Barbuda - Water Level, Barbuda - Barometric, Christiansted Harbor, St Croix - Water Level, Christiansted Harbor, St Croix - Winds, Christiansted Harbor, St Croix - Barometric, Lameshur Bay, St John - Water Level, Lime Tree Bay, St. Croix - Water Level, Lime Tree Bay, St. Croix - Winds, Lime Tree Bay, St. Croix - Barometric, Charlotte Amalie - Water Level, Charlotte Amalie - Winds, Culebra - Water Level, Isabel Segunda, Vieques Island - Water Level, Isabel Segunda, Vieques Island - Winds, Esperanza, Vieques Island - Water Level, Esperanza, Vieques Island - Winds, Fajardo - Water Level, Fajardo - Winds, Yabucoa Harbor - Water Level, Yabucoa Harbor - Winds, San Juan, La Puntilla, San Juan Bay - Water Level, San Juan, La Puntilla, San Juan Bay - Winds, San Juan, La Puntilla, San Juan Bay - Barometric, Arecibo - Water Level, Arecibo - Winds, Magueyes Island - Water Level, Magueyes Island - Winds, Mayaguez - Water Level, Mayaguez - Winds, Mona Island - Water Level

NOAA/NOS/CO-OPS 9761115 Barbuda



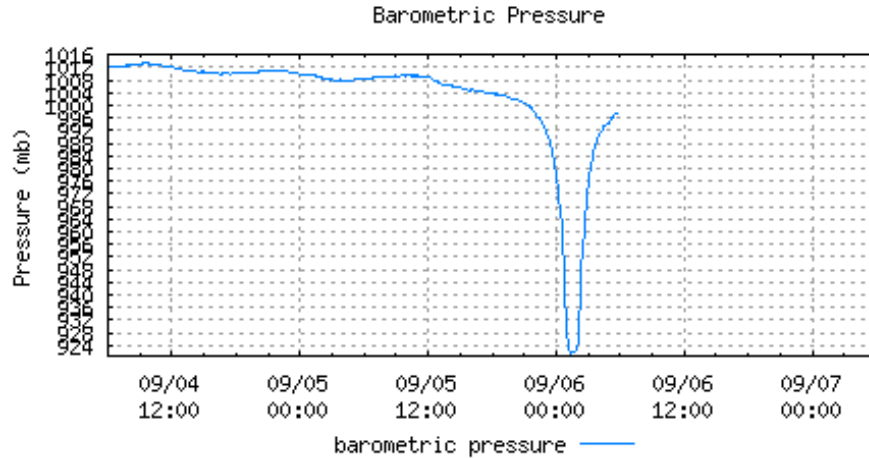
Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

Observed: 1.28 ft. Predicted: 0.00 ft. Residual: 1.28 ft.

Historical Maximum Water Level: Aug 23 2012, 1.05 ft.

Next High Tide: 09/06/2017 18:32 (AST), 0.04 ft.

NOAA/NOS/CO-OPS 9761115 Barbuda

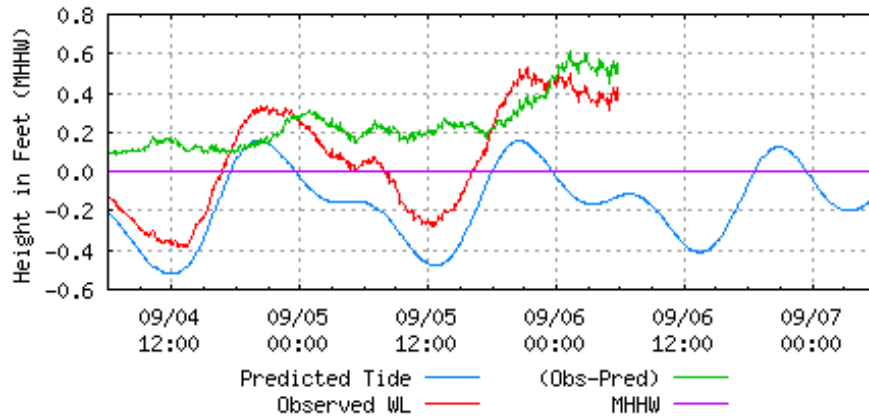


Last Observed Sample: 09/06/2017 05:54 (AST)

Barometric Pressure: 997.6 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

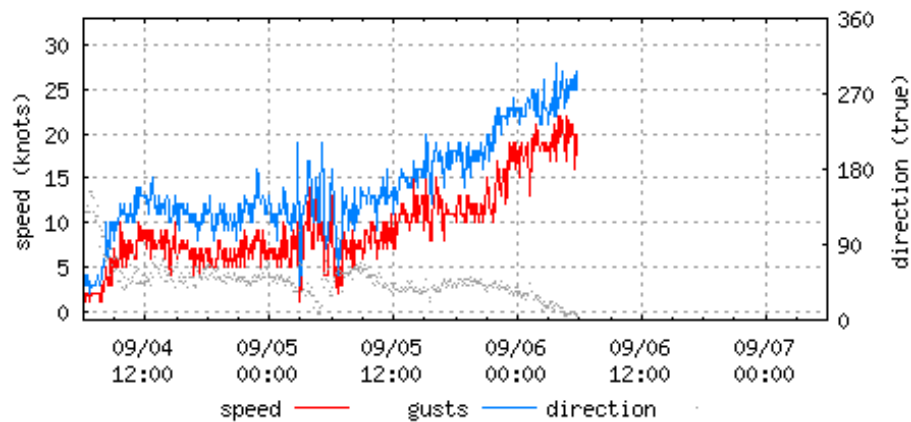
Observed: 0.45 ft. Predicted: -0.12 ft. Residual: 0.57 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

Next High Tide: 09/06/2017 06:54 (AST), -0.11 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI

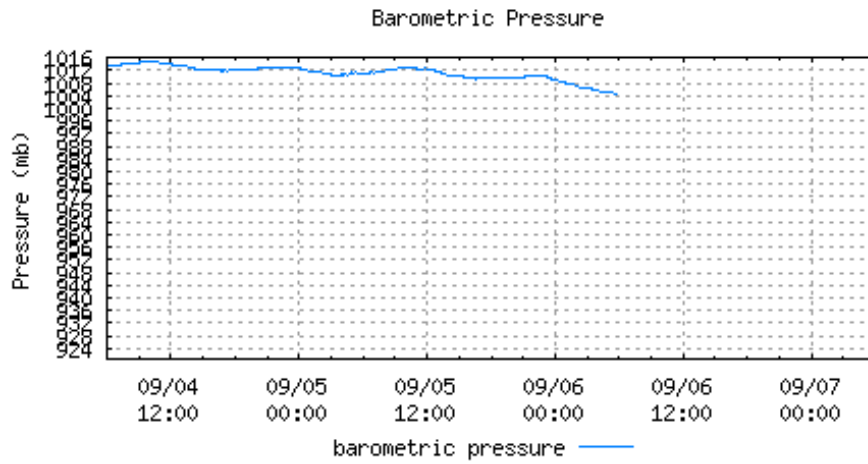
Wind Speed / Gusts / Direction



Last Observed Sample: 09/06/2017 05:54 (AST)

Wind Speed: 21 knots Gusts: 27 knots Direction: 8° T

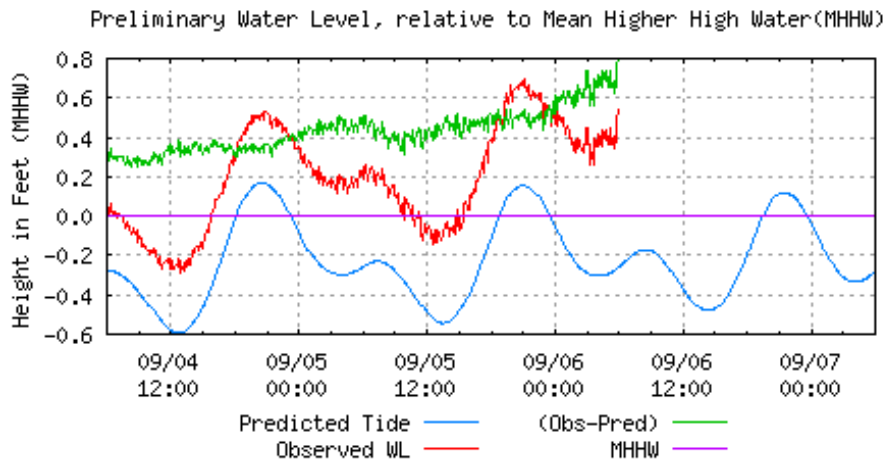
NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI



Last Observed Sample: 09/06/2017 05:54 (AST)

Barometric Pressure: 1004.4 mb

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI



Last Observed Sample: 09/06/2017 06:00 (AST). Data relative to MHHW

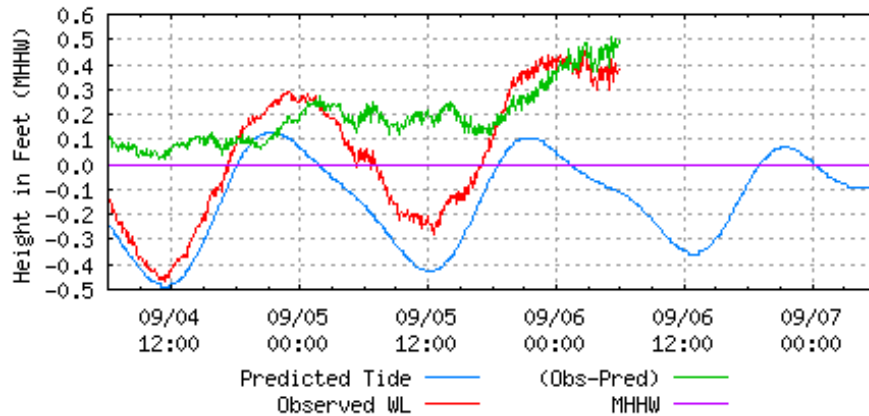
Observed: 0.49 ft. Predicted: -0.26 ft. Residual: 0.75 ft.

Historical Maximum Water Level: Aug 30 2010, 0.89 ft.

Next High Tide: 09/06/2017 08:26 (AST), -0.18 ft.

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, St. Croix, VI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

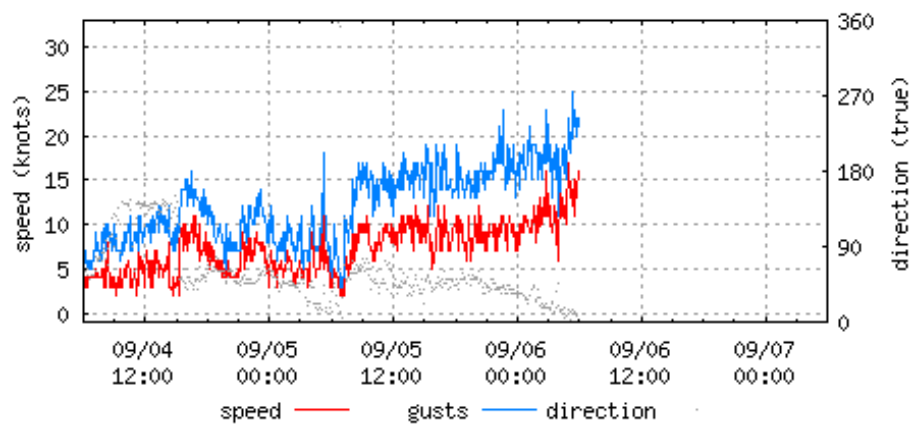
Observed: 0.38 ft. Predicted: -0.11 ft. Residual: 0.49 ft.

Historical Maximum Water Level: Nov 17 1999, 1.88 ft.

Next High Tide: 09/06/2017 21:27 (AST), 0.07 ft.

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, St. Croix, VI

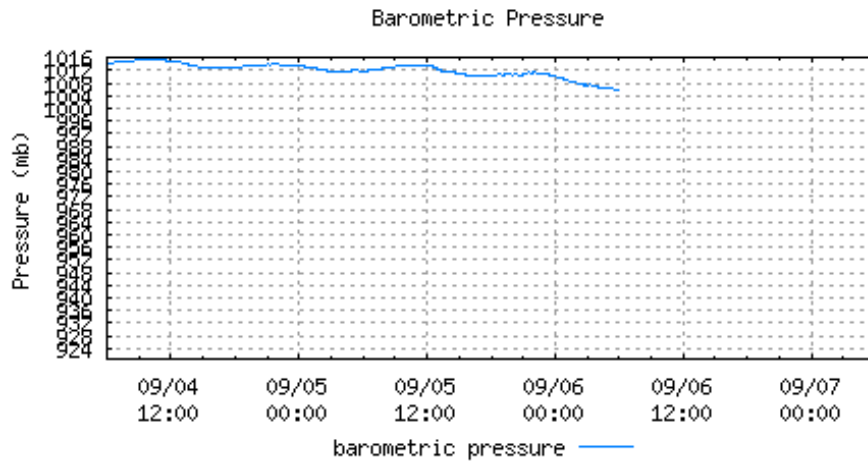
Wind Speed / Gusts / Direction



Last Observed Sample: 09/06/2017 05:54 (AST)

Wind Speed: 16 knots Gusts: 22 knots Direction: 360° T

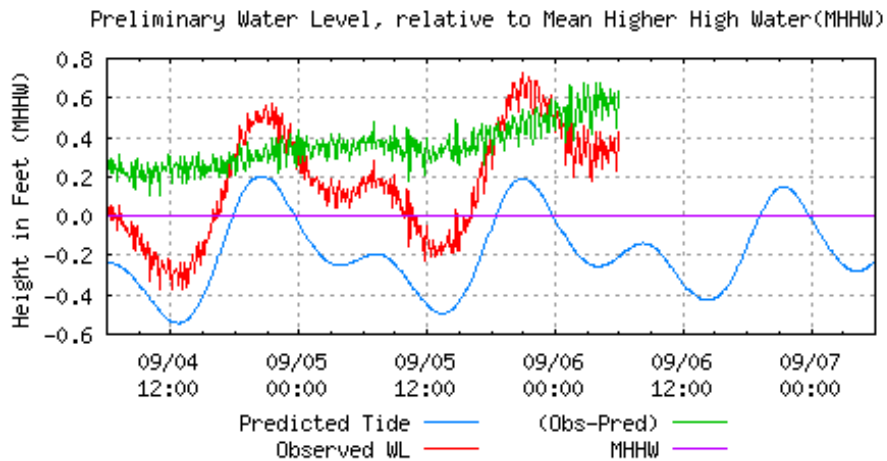
NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, St. Croix, VI



Last Observed Sample: 09/06/2017 05:54 (AST)

Barometric Pressure: 1005.6 mb

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI



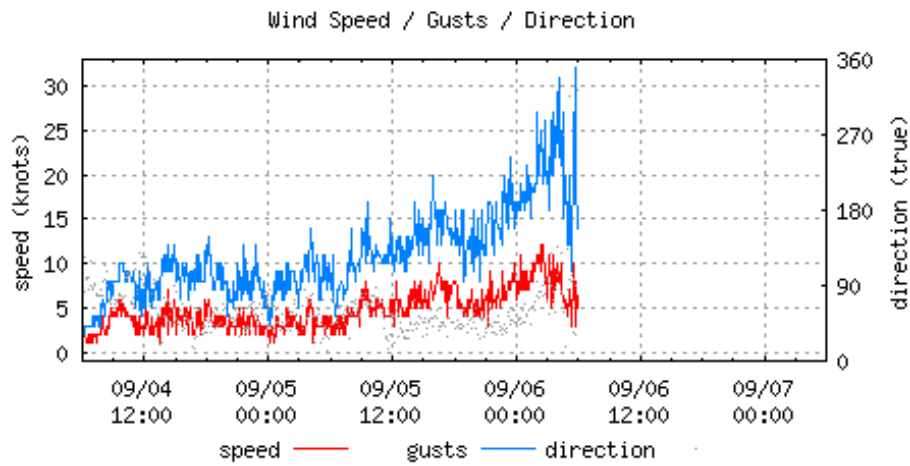
Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

Observed: 0.42 ft. Predicted: -0.21 ft. Residual: 0.63 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

Next High Tide: 09/06/2017 08:15 (AST), -0.14 ft.

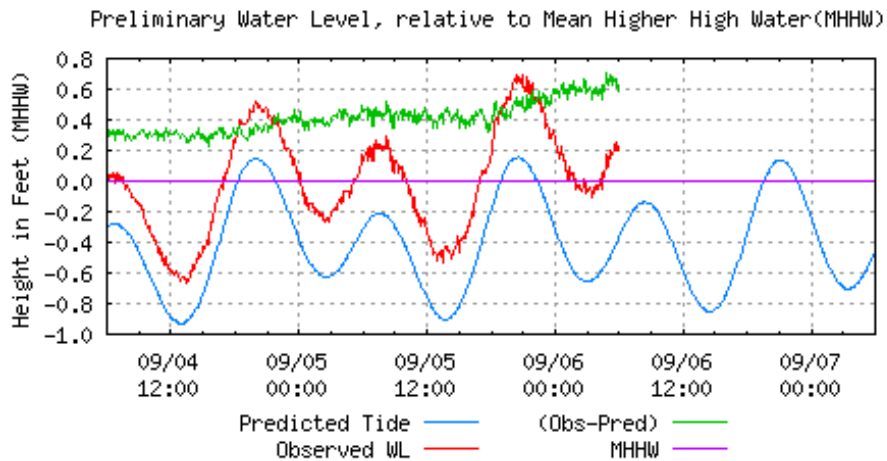
NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI



Last Observed Sample: 09/06/2017 05:54 (AST)

Wind Speed: 5 knots Gusts: 14 knots Direction: 324° T

NOAA/NOS/CO-OPS 9752235 Culebra, PR



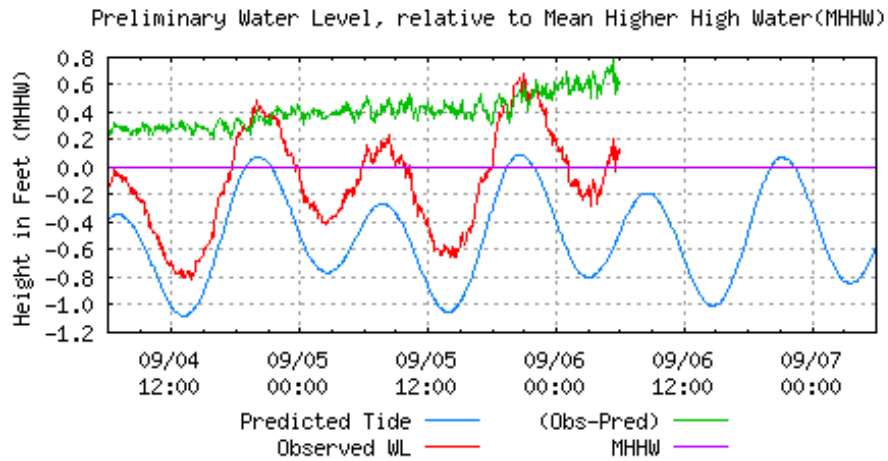
Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

Observed: 0.20 ft. Predicted: -0.38 ft. Residual: 0.58 ft.

Historical Maximum Water Level: Nov 6 2006, 0.84 ft.

Next High Tide: 09/06/2017 08:24 (AST), -0.14 ft.

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR



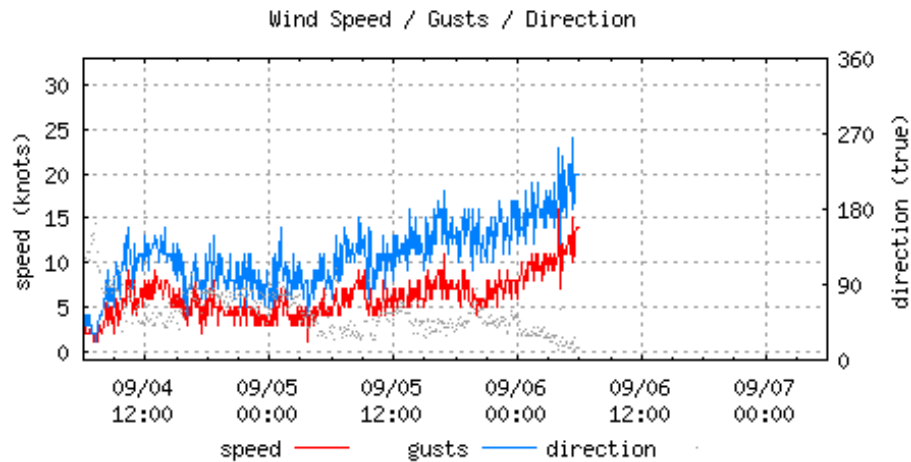
Last Observed Sample: 09/06/2017 06:00 (AST). Data relative to MHHW

Observed: 0.19 ft. Predicted: -0.47 ft. Residual: 0.66 ft.

Historical Maximum Water Level: n/a

Next High Tide: 09/06/2017 08:31 (AST), -0.18 ft.

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

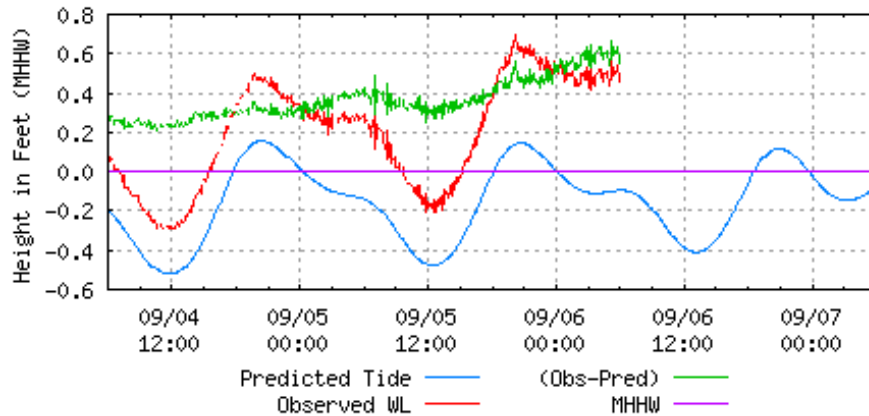


Last Observed Sample: 09/06/2017 06:00 (AST)

Wind Speed: 16 knots Gusts: 23 knots Direction: 15° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/06/2017 06:00 (AST). Data relative to MHHW

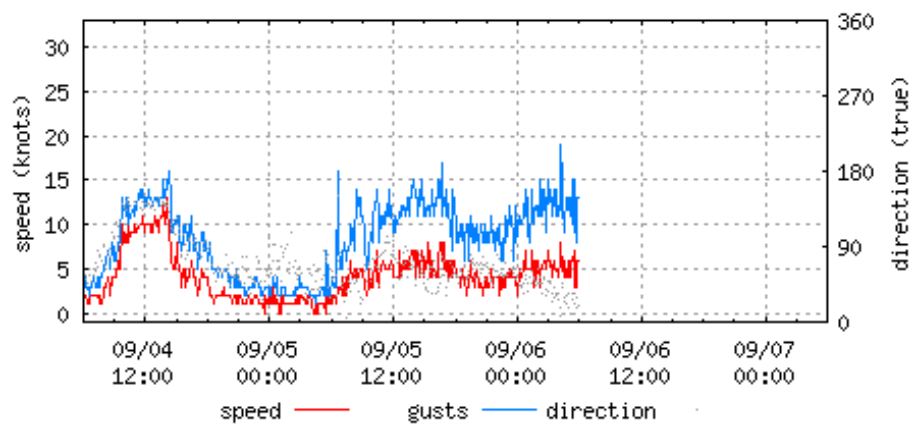
Observed: 0.56 ft. Predicted: -0.09 ft. Residual: 0.65 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

Next High Tide: 09/06/2017 06:08 (AST), -0.10 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

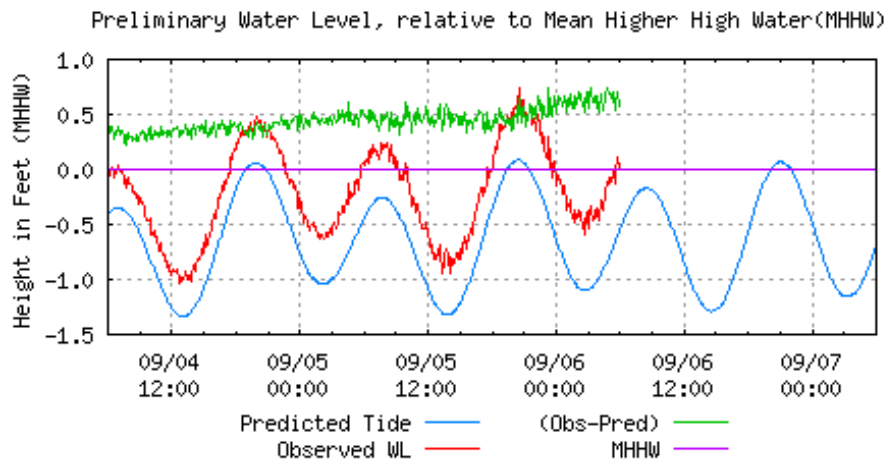
Wind Speed / Gusts / Direction



Last Observed Sample: 09/06/2017 06:00 (AST)

Wind Speed: 5 knots Gusts: 11 knots Direction: 14° T

NOAA/NOS/CO-OPS 9753216 Fajardo, PR



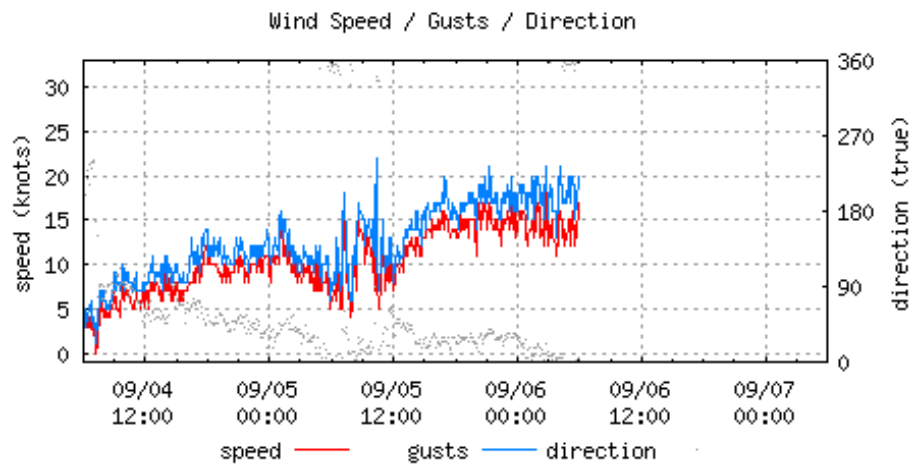
Last Observed Sample: 09/06/2017 06:00 (AST). Data relative to MHHW

Observed: -0.03 ft. Predicted: -0.55 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Aug 30 2010, 0.84 ft.

Next High Tide: 09/06/2017 08:29 (AST), -0.17 ft.

NOAA/NOS/CO-OPS 9753216 Fajardo, PR

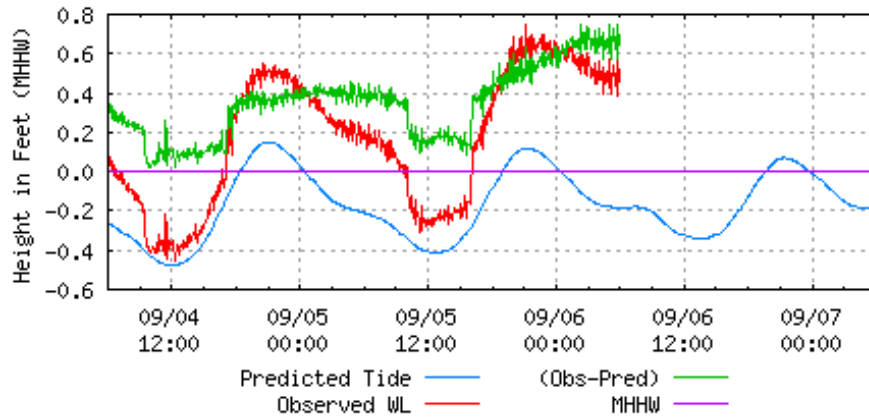


Last Observed Sample: 09/06/2017 06:00 (AST)

Wind Speed: 15 knots Gusts: 21 knots Direction: 353° T

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/06/2017 06:00 (AST). Data relative to MHHW

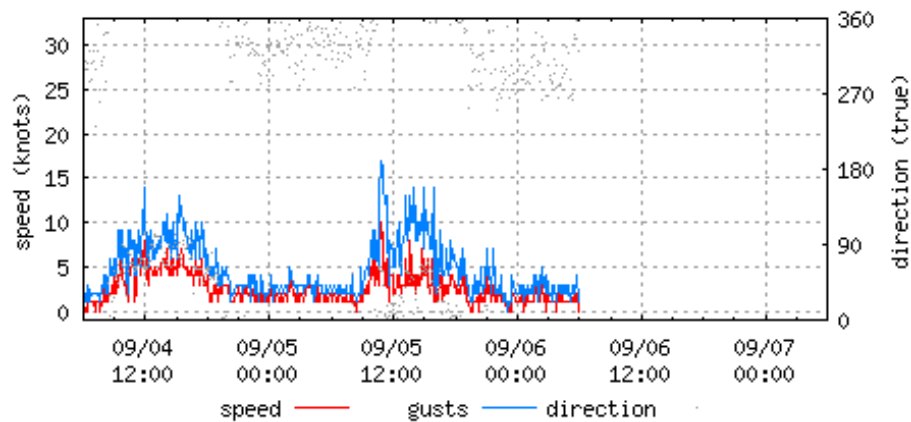
Observed: 0.38 ft. Predicted: -0.19 ft. Residual: 0.57 ft.

Historical Maximum Water Level: n/a

Next High Tide: 09/06/2017 21:24 (AST), 0.07 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

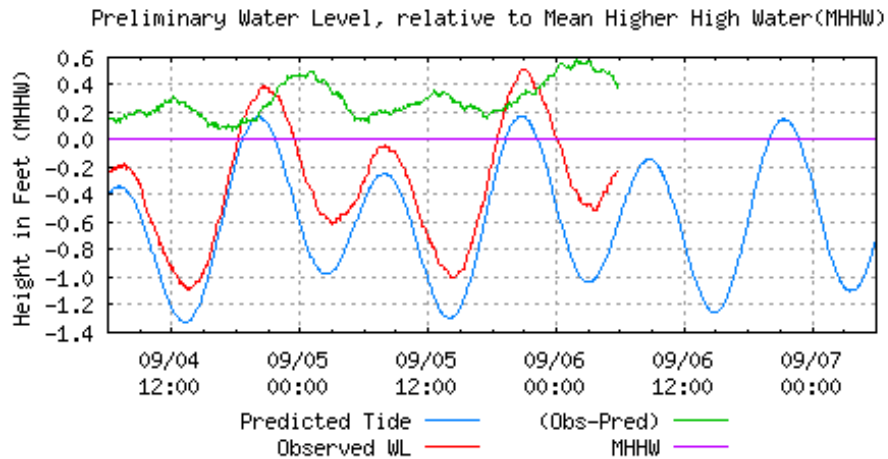
Wind Speed / Gusts / Direction



Last Observed Sample: 09/06/2017 06:00 (AST)

Wind Speed: 1 knots Gusts: 3 knots Direction: 316° T

NOAA/NOS/CO-OPS 9755371 San Juan, La Puntilla, San Juan Bay, PR



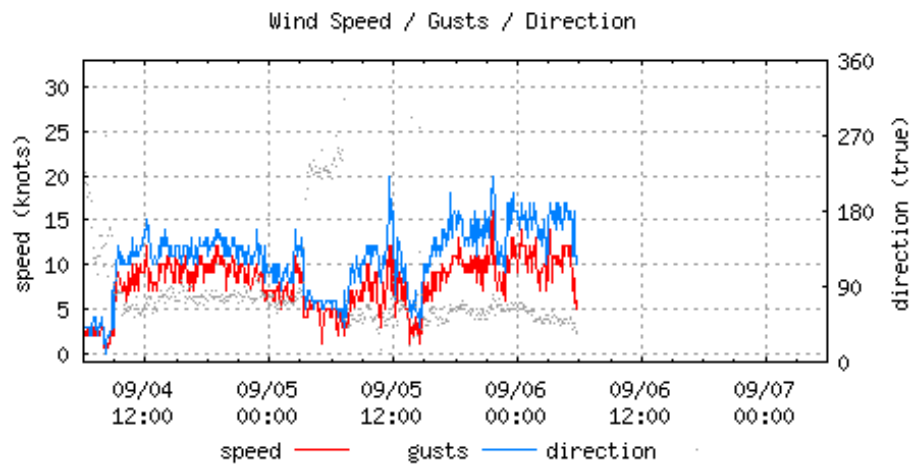
Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

Observed: -0.20 ft. Predicted: -0.58 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

Next High Tide: 09/06/2017 08:44 (AST), -0.14 ft.

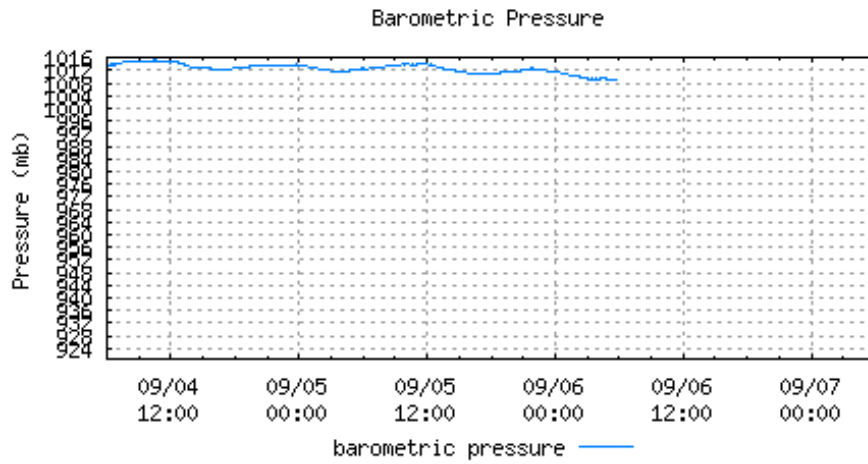
NOAA/NOS/CO-OPS 9755371 San Juan, La Puntilla, San Juan Bay, PR



Last Observed Sample: 09/06/2017 05:54 (AST)

Wind Speed: 6 knots Gusts: 12 knots Direction: 26° T

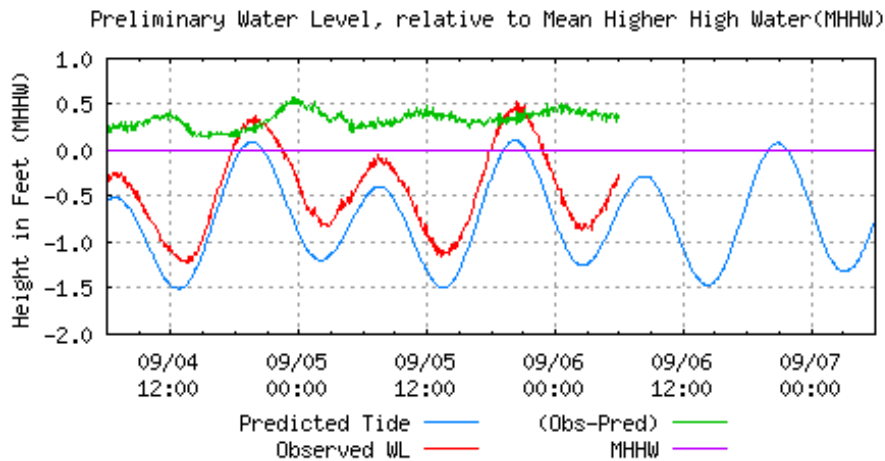
NOAA/NOS/CO-OPS 9755371 San Juan, La Puntilla, San Juan Bay, PR



Last Observed Sample: 09/06/2017 05:54 (AST)

Barometric Pressure: 1009.0 mb

NOAA/NOS/CO-OPS 9757809 Arecibo, PR



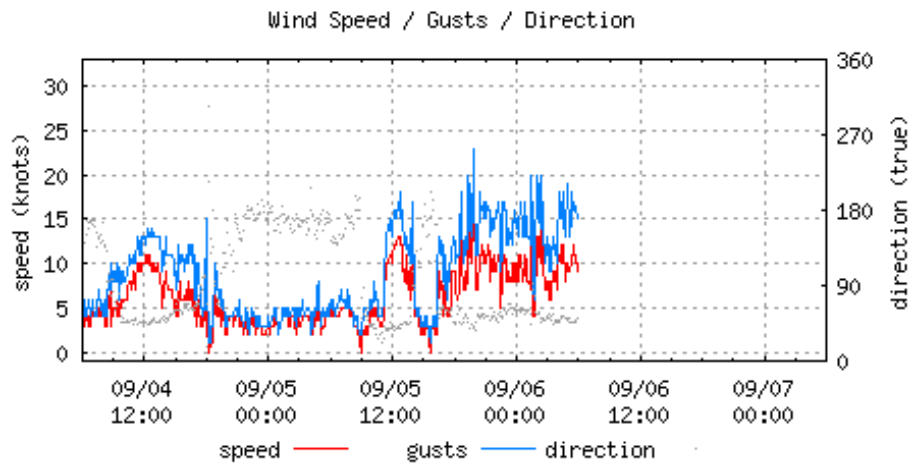
Last Observed Sample: 09/06/2017 06:06 (AST). Data relative to MHHW

Observed: -0.21 ft. Predicted: -0.60 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Oct 8 2010, 0.90 ft.

Next High Tide: 09/06/2017 08:19 (AST), -0.27 ft.

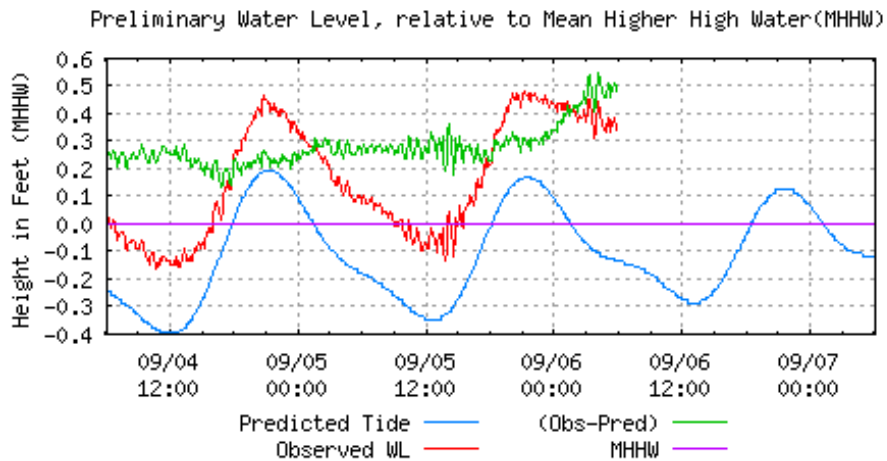
NOAA/NOS/CO-OPS 9757809 Arecibo, PR



Last Observed Sample: 09/06/2017 06:06 (AST)

Wind Speed: 11 knots Gusts: 16 knots Direction: 45° T

NOAA/NOS/CO-OPS 9759110 Magueyes Island, PR



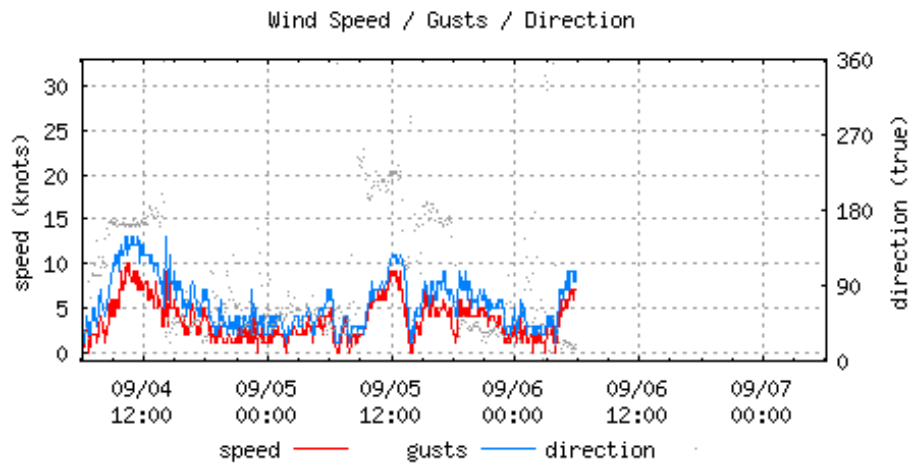
Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

Observed: 0.34 ft. Predicted: -0.14 ft. Residual: 0.48 ft.

Historical Maximum Water Level: Sep 22 1998, 1.60 ft.

Next High Tide: 09/06/2017 21:35 (AST), 0.13 ft.

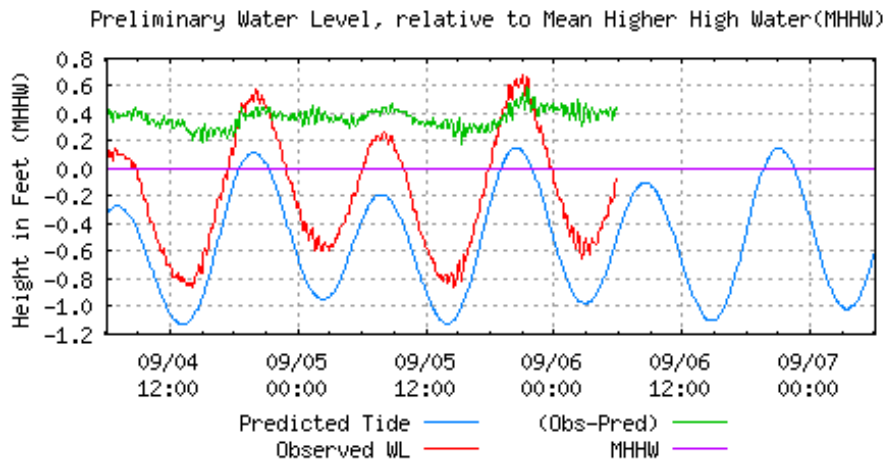
NOAA/NOS/CO-OPS 9759110 Magueyes Island, PR



Last Observed Sample: 09/06/2017 05:54 (AST)

Wind Speed: 7 knots Gusts: 8 knots Direction: 19° T

NOAA/NOS/CO-OPS 9759394 Mayaguez, PR



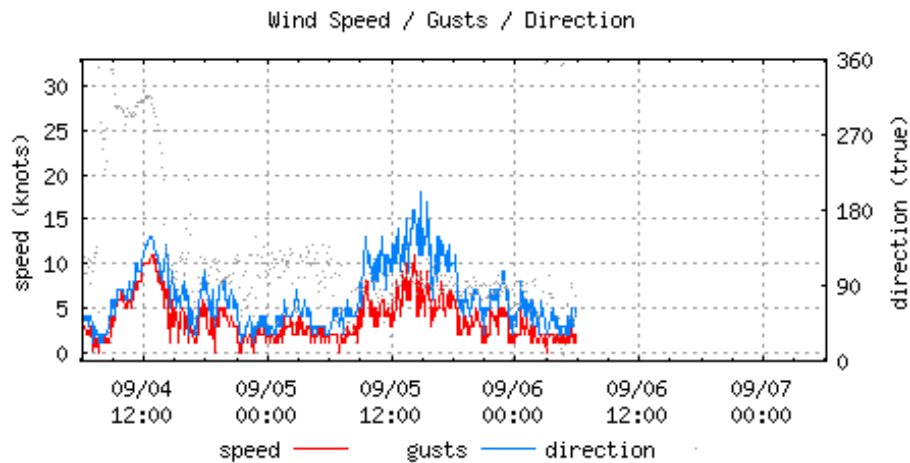
Last Observed Sample: 09/06/2017 05:54 (AST). Data relative to MHHW

Observed: -0.07 ft. Predicted: -0.50 ft. Residual: 0.43 ft.

Historical Maximum Water Level: n/a

Next High Tide: 09/06/2017 08:32 (AST), -0.11 ft.

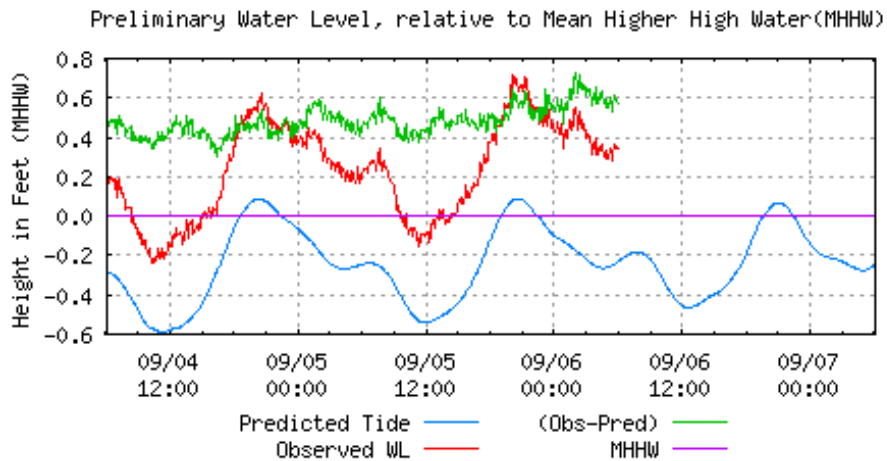
NOAA/NOS/CO-OPS 9759394 Mayaguez, PR



Last Observed Sample: 09/06/2017 05:54 (AST)

Wind Speed: 1 knots Gusts: 4 knots Direction: 56° T

NOAA/NOS/CO-OPS 9759938 Mona Island, PR



Last Observed Sample: 09/06/2017 06:00 (AST). Data relative to MHHW

Observed: 0.35 ft. Predicted: -0.22 ft. Residual: 0.57 ft.

Historical Maximum Water Level: Dec 23 2010, 1.24 ft.

Next High Tide: 09/06/2017 07:48 (AST), -0.18 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9761115	Barbuda	09/06/2017 05:54 (AST)	1.28 ft	0.00 ft	1.28 ft	7.89 ft
9751364	Christiansted Harbor, St Croix, VI	09/06/2017 05:54 (AST)	0.45 ft	-0.12 ft	0.57 ft	0.53 ft
9751381	Lameshur Bay, St John, VI	09/06/2017 06:00 (AST)	0.49 ft	-0.26 ft	0.75 ft	0.70 ft
9751401	Lime Tree Bay, St. Croix, VI	09/06/2017 05:54 (AST)	0.38 ft	-0.11 ft	0.49 ft	0.46 ft
9751639	Charlotte Amalie, VI	09/06/2017 05:54 (AST)	0.42 ft	-0.21 ft	0.63 ft	0.72 ft
9752235	Culebra, PR	09/06/2017 05:54 (AST)	0.20 ft	-0.38 ft	0.58 ft	0.70 ft
9752619	Isabel Segunda, Vieques Island, PR	09/06/2017 06:00 (AST)	0.19 ft	-0.47 ft	0.66 ft	0.68 ft
9752695	Esperanza, Vieques Island, PR	09/06/2017 06:00 (AST)	0.56 ft	-0.09 ft	0.65 ft	0.70 ft
9753216	Fajardo, PR	09/06/2017 06:00 (AST)	-0.03 ft	-0.55 ft	0.52 ft	0.73 ft
9754228	Yabucoa Harbor, PR	09/06/2017 06:00 (AST)	0.38 ft	-0.19 ft	0.57 ft	0.74 ft
9755371	San Juan, La Puntilla, San Juan Bay, PR	09/06/2017 05:54 (AST)	-0.20 ft	-0.58 ft	0.38 ft	0.52 ft
9757809	Arecibo, PR	09/06/2017 06:06 (AST)	-0.21 ft	-0.60 ft	0.39 ft	0.53 ft
9759110	Magueyes Island, PR	09/06/2017 05:54 (AST)	0.34 ft	-0.14 ft	0.48 ft	0.48 ft
9759394	Mayaguez, PR	09/06/2017 05:54 (AST)	-0.07 ft	-0.50 ft	0.43 ft	0.68 ft
9759938	Mona Island, PR	09/06/2017 06:00 (AST)	0.35 ft	-0.22 ft	0.57 ft	0.72 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce